

FIGURE 1

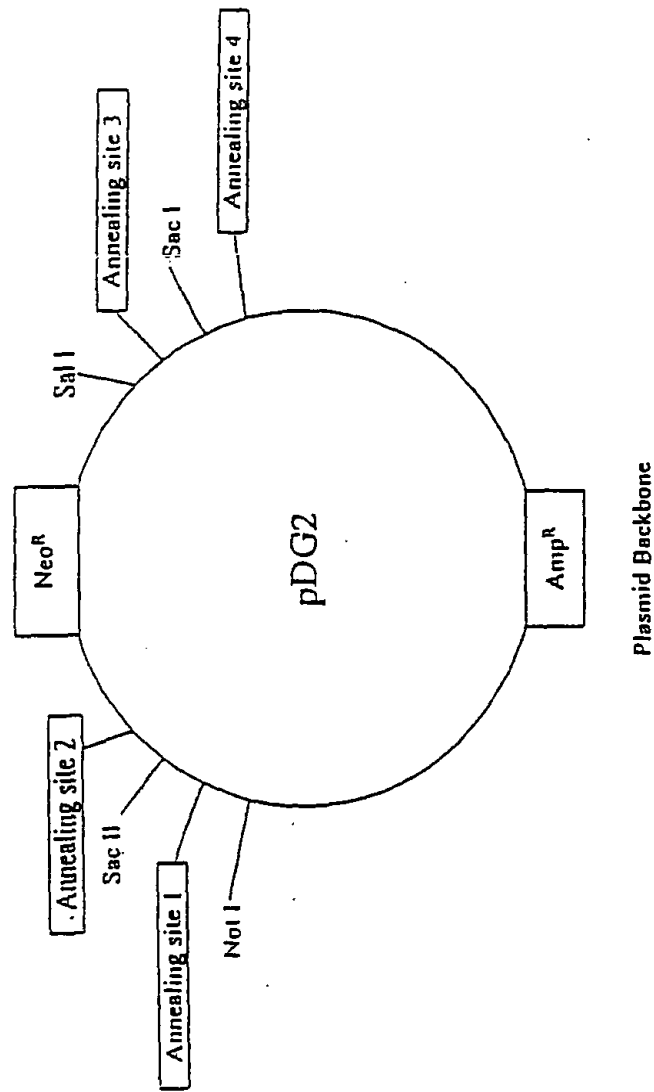


FIGURE 2A

GTTAACTACG TCAGGTGGCA CTTTTCGGGG AAATGTGCGC GGAACCCCTA TTTGTTTATT TTTCTAAATA CATTCAAATA
 TGATCCGCT CATGAGACAA TAACCCTGAT AAATGCTTCA ATAATATTGA AAAAGGAAGA GTATGAGTAT TCAACATTTT
 CGTGTGCGCC TTATTCCCTT TTTTGGCGCA TTTTGCCCTT CTGTTTTTGC TCACCCAGAA ACGCTGGTGA AAGTAAAGAA
 TGCTGAAGAT CAGTTGGGTG CACGAGTGGG TTACATCGAA CTGGATCTCA ACAGCGGTAA GATCCTTGAG AGTTTTCGCC
 CCGAAGAAGC TTCTCCAATG ATGAGCACTT TAAAAGTTCT GCTATGTGGC GCGTATTAT CCCGTGTTGA CGCCGGGCAA
 GAGCAACTCG GTCCGCGCAT AACTATTCTT CAGAACTGAGT TGGTTGAGTA CTCACAGTC ACAGAAAAGC ATCTTACGGA
 TGGCATGACA GTAAGAGAA TATGCAGTGC TGCCATAACC ATGAGTGATA ACACCTGCGC CAACTTACTT CTGACAAACGA
 TCGGAGGACC GAAGGAGCTA ACCGCTTTTT TGCAACAACAT GGGGGATCAT GTAACCTGCC TTGATCGTTG GGAACCGGAG
 CTGAATGAAG CCATACCAAA CGACGAGCGT GACACCAGA TGCCCTGAGC AATGGCAACA ACGTTGCGCA AACTATTAAAC
 TGGCGAACTA CTACTCTAG CTTCCCGGCA ACAATTAATA GACTGGATGG AGGCGGATAA AGTTGCAGGA CCATCTCTGC
 GCTCGGCCCT TCCGGCTGGC TGGTTTATTG CTGATAAATC TGGAGCCGGT GAGCGTGGGT CTCGCGGTAT CATTGCAGCA
 CTGGGGCCAG ATGGTAAGCC CTCGCGTATC GTAGTTATCT ACACGACGGG GAGTCAGGCA ACTATGGATG AACGAAATAG
 ACAGATCGCT GAGATAGGTG CCTCACTGAT TAAGCATTGG TAACTGTGAG ACCAAGTTTA CTATATATAA CTTTAGATTG
 ATTTACCCCG GTTGATAATC AGAAAAGCCC CAAAACAGG AAGATTGTAT AAGCAAAAT TTAATTTGTA AAGCTTAATA
 TTTTGTAAAT ATTCGCGTTA AATTTTTGTT AAATCAGCTC ATTTTTTAAC CAATAGGCGG AAATCGGCAA AATCCCTTAT
 AAATCAAAG AATAGCCCGA GATAGGGTTG AGTGTGTGTC CAGTTTGGAA CAAGAGTCCA CTATTAAAGA ACGTGGACTC
 CCGCGCGCGC TTAATGCGCC GCTACAGGGC GCGGATGGC CCACTACGTG AACCATCACC CAAATCAAGT TTTTGGGGT
 CGAGGTGCGG TAAAGCACTA AATCGGAACC CTAAAGGGAG CCCCCGATTT AGAGCTTGAC GGGGAAAGCG AACGTGGCGA
 GAAAGGAAGG GAAGAAAGCG AAAGGAGCGG GCGTAGGGC GCTGGCAAGT GTAGCGGTCA CGCTGCGGT AACCACCACA
 CAACGTCAAA GGGCGAAAAA CCGTCTATCA GGGCGATGGC ACCTACGTG AACTCCTTTT TGATAATCTC ATGACCAAAA
 TCCCTTAAAG TGAGTTTTG TCCACTGAG CGTCAGACCC CGTAGAAAAG ATCAAAGGAT CTTCTTGAGA TCCTTTTTTT
 CTGGCGGTAA TCTGTGCTT GCAAAACAAA AAACCCACCG TACCAGCGGT GGTTTGTTG CCGGATCAAG AGCTACCAAC
 TCTTTTCCG AAGGTAACGT GCTTCAGCAG AGCGCAGTA CCAAATCTG TTTCTTCTAGT GTAGCCGTAG TTAGGCCACC
 ACTTCAAGAA CTCTGTAGCA CCGCTTACAT ACCTCGCTCT GCTAATCTCT TTACCACTGG CTGCTGCCAG TGGCGATAAG
 TCGTGTCTTA CCGGTTGGA CTCAAGACGA TAGTTACCGG ATAAGGCGCA GCGTCCGGG TGAAAGCGGG GTTCGTGCAC
 ACAGCCAGC TTGGAGCGAA CGACCTACAC CGAACTGAGA TACCTACAGC GTGAGCTATG AGAAAGCGCC ACGCTTCCCG
 AAGGGAGAAA GCGGACAGG TATCCGGTAA GCGGCAAGGT CGGAACAGGA GAGCGCAGA GGGAGCTTCC AGGGGAAAC
 GCCTGGTATC TTTATAGTCC TGTGGGTTTT CGCCACCTCT GACTTGAGCG TCGATTTTG TGATGCTCGT CAGGGGGCGG
 GAGCCTATGG AAAAACGCCA GCAAAGCGGC CTTTTACGG TTCTCGGCT TTTGCTGGCC TTTTGTCTAC ATGTAATGTG
 AGTTAGCTCA CTCATTAGGC ACCCCAGGCT TTACACTTTA TGCTTCGGC TCGTATGTTG TGTGGAATTG TGAGCGGATA
 ACAATTTTCC ACAGGAAACA GCTATGACCA TGATTACGCC AAGCTACGTA ATACGACTCA CTAGCCGGCC GCTTTAAAC
 AATGTGCTCC TCTTTGGCTT GCTTCGCGG GCCAAGCCAG AGGTCAATTC TACCGGGTAG GGGAGGCGCT TTTCCCAAGG
 AGCGGCGCGC CGAATTCTG CAGGATTGGA GGGCCCTTGC CTGGCACTG AGTGGCTCTT GGCCTCGCAC ACATTCCACA
 CAGTCTGGAG CATGCGCTTT AGCAGCCCGC CTGGCTTCT TTTGGTGGCC CTTCGCGCCA CTTTCTACTC CTCCCTAGT CAGGAAGTTC
 TCCACCGGTA GCGCCAACCG GCTCCGTTCT TTGGTGGCC TGGAAAGTAG ACCTCTCACT AGTCTCTGCT AGATGGACAG
 CCCCCCGCCC CGCAGCTCGC GTGCTGCAGG ACOTGACAAA GGGCCCTTGC AGGTCAATTC TACCGGGTAG GGGAGGCGCT TTTCCCAAGG
 CACCGCTGAG CAATGGAAGC GGGTAGGCTT TTTGGGCGAG GGGCAATAGC AGCTTTGCTC CTTGCGTTTC TGGGCTCAGA
 GGGTGGGAAG GGGTGGGTCC GGGGGCGGGC TCAGGGGCGG GCTCAGGGGC GGGGCGGGG GGGGCGGGG GGGGCGGGG
 GGCATTCTCG CACGCTTCAA AAGCGCACGT CTGCGCGCTT GTTCTCTCTT TCCTCATCTC CGGCGCTTTC GACTGCGAGC
 CAATATGGGA TCGGCCATTG AACAGATGG ATTGCAAGCA GGTTCCTCGG CCGCTTGGGT GGAAGGCTA TTCGGCTATG
 ACTGGGCACA ACAGACAATC GGTGCTCTG ATGCCGCGT GTTCGGGCTG TCAGCGCAGG GCGCGCCGCT TCTTTTGTG
 AAGACCGACC TGTCCGGTGC CCTGAATGAA CTGCAGGAGC AGGCAGCGCG GCTATCGTGG CTGGCCACGA CGGCGGTTCC
 TTGCGCAGCT GTGCTCGAGC TTGTCACTGA AGCGGGAAGG GACTGGCTGC TATTGGGCGA AGTCCCGGG CAGGATCTCC
 TGTCTCTCA CCTTCTCTCT GCGGAGAAAG TATCCATCAT GGCTGATGCA ATGCGCGGCG TGCAATCGCT TGATCCGGCT
 ACCTGCCCCAT TCGACCACCA AGCGAAACAT CGCATCGAGC GAGCACGTAC TCGGATGGAA GCGGTCTGTG TCGATCAGGA
 TGATCTGGAC GAAGAGCATC AGGGGCTCGC GCCAGCGGAA CTGTTCCGCA GGCTCAAGGC GCGCATGCCC GACGGCGATG
 ATCTGCTCGT GACCCATGGC GATGCTGCTT TGCCGAATAT CATGGTGGAA AATGGCGGCT TTTCTGGATT CATCGACTGT
 GGGCGGCTGG GTGTGGCGGA CCGCTATCAG GACATAGCGT TGGCTACCCG TGATATTGCT GAAGAGCTTG GCGGCGAATG
 GGTGACCGC TTCTCTGTG TTTACGGTAT CCGCGCTCCC GATTGCGAGC GCATCGCCTT CTATCGCCTT CTTGACGAGT
 TCTTCTGAGG GGATCGATCC GTCTGTGAAG TCTGCAGAAA GGTGAGAAAC GAGTACCTAC ATTTTGAATG GAAGGATTGG AGCTACGGGG
 AAGTTTTTCC TGTCTACTT TGTAAAGAA GGTGAGAAAC GAGTACCTAC ATTTTGAATG GAAGGATTGG AGCTACGGGG
 GTGGGGGTGG GGTGGGATTA GATAAATGCC TGCTCTTAC TGAAGGCTCT TTAATATTGC TTTATGATAG TTTTTCATAG
 TTGGATATCA TAATTTAAAC AAGCAAAACC AAATTAAGGG CCAGCTCAT CTTCCCACTC ATGATCTATA GATCTATAGA
 TCTCTCGTGG GATCATGTT TTTCTCTTGA TTCCCACTTT GTGGTTCTAA GTACTGTGGT TTCCAAATGT GTCAGTTTCA
 TAGCCTGAAG AACGAGATCA GCAGCCTCTG TTCCACATAC ACTTCATTCT CAGTATTGTT GTGATCAGGT ACCAAGGTCC TCGCTCTGTG
 CAGAAGCTGA CTCTAGATCT GGATCCGGCC AGCTAGGCGG TCGACCTCGA GTGATCAGGT ACCAAGGTCC TCGCTCTGTG
 TCCGTTGAGC TCGACGACAC AGGACACGCA AATTAATTA GGCGGGCGCG TACCCTCTAG TCAAGGCTTT AAGTGAGTCC
 TATTACGGAC TGGCGCTCGT TTTACAAGCT CGTGACTGGG AAAACCCCTG CGTTACCCAA CTTCCCAACA GTTGGCGAGC CTGAATGGCG
 TCCCCCTTTC GCCAGCTGGC GTAATAGCGA AGAGGCCCGC ACCGATCGCC CTTCCCAACA GTTGGCGAGC CTGAATGGCG
 AATGGCGCTT CGCTGGTAA TAAAGCCCGC TTCGGCGGCG TTTTTTTT;

FIGURE 2B

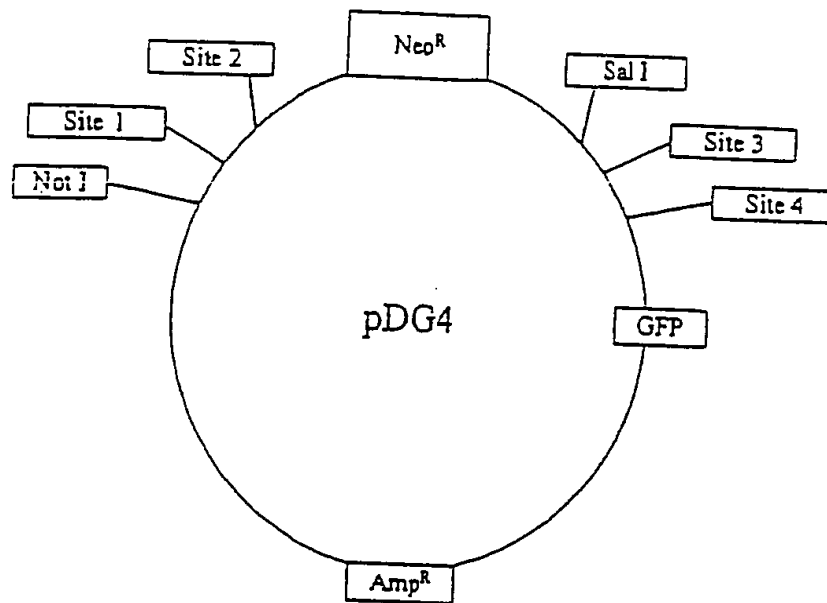


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCATTA GTTCATAGCC CATATATGGA GTTCCGCGTT ACATAACTTA CGGTAAATGG
 CCCGCTGGC TGACCGCCCA ACGACCCCGG CCCATTGACG TCAATAATGA CGTATGTTCC CATAGTAACG CCAATAGGGA
 CTTTCCAATG ACGTCAATGG GTGGAGTATT TACGGTAAAC TGCCCACTTG GCAGTACATC AAGTGATCA TATGCCAAGT
 ACGCCCCCTA TTGACGTCAA TGACGGAAAA TGGCCCGCCT GGCATTAAAGC CCAGTACATG ACCTTATGGG ACTTTCCTAC
 TTGGCAGTAC ATCTACGTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTTGGCAGTA CATCAATGGG CGTGGATAGC
 GGTTTGACTC ACGGGGATTT CCAAGTCTCC ACCCCATTGA CGTCAATGGG AGTTTGTITT GGCACCAAAA TCAACGGGAC
 TTTCCAAAAT GTCGTAACAA CTCGCGCCCA TTGACGCAAA TGGGCGGTAG GCGTGTACGG TGGGAGGTCT ATATAAGCAG
 AGCTGGTTTA GTGAACCGTC AGATCCGCTA GCGCTACCGG TCGCCACCAT GGTGAGCAAG GGCAGGAGC TGTTCACCGG
 GGTGGTGCCC ATCCTGGTCG AGCTGGACGG CGACGTAAAC GGCCACAAGT TCAGCGTGTG CGGCGAGGGC GAGGGCGATG
 CCACCTACGG CAAGCTGACC CTGAAGTTCA TCTGCACCAC CGGCAAGCTG CCCGTGCCCT CGGCCACCCT CAGTACCACC
 CTGACCTACG GCGTGCAGTG CTTGAGCGCG TACCCCGACC ACATGAAGCA GCACGACTTC TTCAAGTCCG CCAATGCCCG
 AGGCTACGTC CAGGAGCGCA CCATCTTCTT CAAGGACGAC GGCACCTACA AGACCCGCGC CGAGGTGAAG TTCAGGGGCG
 ACACCCCTGGT GAACCGCATC GAGCTGAAGG GCATCGACTT CAAGGAGGAC GGCAACATCC TGGGGCACAA GCTGGAGTAC
 AACTACAACA GCCACAACGT CTATATCATG GCCGACAAGC AGAAGAACGG CATCAAGGTG AACTTCAAGA TCCGCCACAA
 CATCGAGGAC GGCAGCGTGC AGCTCGCCGA CCACTACGAG CAGAACACCC CCATCGGCGA CGGCCCGGTG CTGCTGCCCG
 ACAACCTACA CCGTGGAGCC CAGTCCGCCC TGAGCAAGA CCCCACGAG AAGCGCGATC GCGGAGTCCG CTGAGGTTTC
 GTGACCGCGC CCGGGATCAC TCTCGGCATG GACGAGCTGT ACAAGTCCGG ACTCAGATCC ACCGGATCTA GATAACTGAT
 CATATCAGC CATACCAT TGTAGAGGT TTTACTTGCT TTAATAAAC TCCCACACCT CCCCTGAAC CTGAACATA
 AAATGAATGC AATTGTGTT GTTAACCTGT TTATTGCGAG TTATAATGGT TACAATAAAA GCAATAGCCT CAGAAATTTTC
 ACAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGTT TGTCCAACT CATCAATGTA TCTTAACGCG AACTAGCTCA
 GGTGGCACTT TTCGGGAAA TGTGCGCGGA ACCCCTATT GTTTATTTTT CTAATATCAT TCAATATGT ATCCGCTCAT
 GAGACARTAA CCCTGATAAA TGCTTCAATA ATATTGAAAA AGGAAGAGTA TGAGTATTC AACTTTCCGT GTCGCCCTTA
 TTCCTTTTTT TGCGGCATT TGCCCTCTCG TTTTGTCTCA CCGAGAACG CTGGTGAAG TAAAGATGC TGAAGATCAG
 TTGGGTGCAC GAGTGGTTA CATCGAAGTG GATCTCAACA GCGGTAAAGT CTTGAGAGT TTTGCGCCCG AAGAAGCTTC
 TCCAACTAGT AGCACTTTTA AAGTCTGCT ATGTGGCGCG GTATTATCCC GTGTTGACGC CGGGCAAGAG CCACTCGGTC
 GCGCATACA CTATTCTCAG AATGACTTGG TTGAGTACTC ACCAGTACA GAAAGCATC TTACGGATGG CATGACAGTA
 AGAGAATTAT GCAGTGCTGC CATAACCATG AGTGATAACA CTGCGGCCAA CTACTTCTG ACAACGATCG GAGGACCGAA
 GGAGCTAACC GCTTTTTTGC ACAACATGGG GGATCATGTA ACTCGCCTTG ATCGTTGGGA ACCGGAGCTC AATGAAGCCA
 TACCACACGA CGAGCGTGAC ACCACGATGC CTGTAGCAAT GGCAACAACG TTGCGCAAC TATTAACTGG CGAACTACTT
 ACTCTAGCTT CCCGCAACA ATTAATAGAC TGATGGAGG CGGATAAAGT TGCAGGACCA CTCTGCGCT CGGCCCTTCC
 GGCTGGCTGG TTTATTGCTG ATAAATCTGG AGCCGGTGAG CGTGGGTCTC GCGGTATCAT TGCAGCACTG GGGCCAGATG
 GTAAGCCCTC CCGTATCGTA GTTATCTACA CGACGGGGAG TCAGGCAACT ATGGATGAAC GAAATAGACA GATCGCTGAG
 ATAGGTGCCT CACTGATTAA GCATTGGTAA CTGTGAGACC AAGTTTACTC ATATATACTT TAGATTGATT TACCCCGGTT
 GATAATCAGA AAAGCCCCAA AAACAGGAAG ATTGTATAAG CAAATATTTA AATTGTAAAC GTTAATAAAT TGTTAATAAT
 CGCGTTAAAT TTTGTATAA TCAGCTCAAT TTTTAACCAA TAGGCCGAAA TCGGCAAAAT CCTTATAAA TCAAAAGAA
 AGCCCGAGAT AGGGTTGAGT GTTGTCCAG TTTGGAACAA GAGTCCACTA TTAAGAACG TGGACTCCAA CGTCAAAGGG
 CGAAAAACCG TCTATCAGGG CGATGGCCCA CTACGTGAAC CATCACCCAA ATCAAGTTTT TTGGGGTCCA GGTGCCGTAA
 AGCACTAAAT CGGAACCTA AAGGGAGCCC CCGATTTAGA GCTTGACGGG GAAAGCGAAC GTGCGAGAA AGGAAGGGAA
 GAAAGCGAAA GAGCGGGCG CTAGGGCGCT GGCAAGTGA GCGGTACGCG TGCGCGTAAC CACCACACCC GCGCGCTTA
 ATGCGCGCT ACAGGGCGCG TAAAAGGATC TAGGTGAAGA TCCTTTTTGA TAATCTCATG ACCAAAATCC CTTAACGTGA
 GTTTTCGTT CACTGAGCGT CAGACCCCGT AGAAAAGATC AAAGGATCTT CTTGAGATCC TTTTTCCTG CCGTAATCT
 GGTGCTTGCA AACAAAAAA CCACCGCTAC CAGCGTGGT TTGTTTGGCG GATCAAGAGC TACCAACTCT TTTCCGAAG
 GTAACCTGGT TCAGCAGAGC GCAGATACCA AATACTGTTC TTCTAGTGTA GCGGTAGTTA GGCCACCACT TCAAGAACTC
 TGTAGCACCG CTTACATACC TCGCTCTGCT AATCTGTGA CCACTGGCTG CTGCCAGTGG CGATAAGTCG TGTCTTACCG
 GGTGGACTC AAGACGATAG TTACCGGATA AGGCGCAGCG GTGCGGCTGA ACGGGGGGTT CGTGACACA GCCCAGCTTG
 GAGCGAACGA CCTACACGA ACTGAGATAC CTACAGCGTG AGCTATGAGA AAGCGCCACG CTTCCGAAG GAGAGAAAGC
 GGACAGGTAT CCGGTAAAGC GCAGGGTCCG AACAGGAGAG CGCACGAGGG AGCTTCCAGG GGGAAACGCC TGGTATCTTT
 ATAGTCTCTG CCGGTTTCGC CACTCTGAC TTGAGCGTGC ATTTTGTGA TGCTCGTCAG GGGGGCGGAG CCTATGGA
 AACGCCAGCA ACGCGCCCT TTTACGGTTC CTGGCCCTTT GCTGGCCCTT TGCTCAGATG TAATGTGAGT TAGCTCACTC
 ATTAGGCACC CCAGGCTTTA CACTTTATGC TTCCGGCTCC TATGTTGTGT GGAATTGTGA GCGGATAACA ATTTACACA
 GGAACAGCT ATGACCATGA TTACGCCAAG CTACGTAAAT CGACTCACTA GCGGCGCGG TTTAAACAT GTGCTCTCT
 TTGGCTTGCT TCCGCGGGCC AAGCCAGACA AGAACCAATT GACGTCAAGC TTCCCGGGAC CCGTGCTAGC GCGCGCCGA
 ATTCCTGCAG GATTCGAGGG CCCCTGCAGG TCAATTCTAC CCGGTAGGGG AGGCGCTTTT CCCAAGGCAG TCTGGAGCAT
 CGCTTTAGC AGCCCCGCTG GCATCTGGCG CTACACAAGT GGCCTCTGGC CTGCGACACA TTCCACATCC ACCGGTAGCG
 CCAACCGGCT CCGTCTTTG GTGGCCCCCT CGCGCCACCT TCTACTCTC CCCTAGTCAG GAAGTTCCCC CCGGCCCGC
 AGCTCGCGTC GTGACGAGC TGACAAATGG AAGTAGCAG TCTCACTAGT CTCGTGAGA TGGACAGCAC CGCTGAGCAA
 TGGAGCGGG TAGGCCCTTG GGCAGCGGC CAATAGCAGC TTGCTCTCT CGCTTCTG GCTCAGAGGC TGGGAAGGGG

FIGURE 3B1

```

TGGGTCCGGG GCGGGGCTCA GGGGCGGGCT CAGGGGCGGG GCGGGGCGGA AGGTCTCTCC GAGGCCCGGC ATTCTGCAC
GCTTCAAAAG CGCACGTCTG CCGCGCTGTT CTCTCTTTCC TCATCTCCGG GCCTTTCCGAC CTGCAGCCAA TATGGGATCG
GCCATTGAAC AAGATGGATT GCACGCAGGT TCTCCGGCCG CTGGGGTGGA GAGGCTATTG GGCTATGACT GGGCACAACA
GACAATCGGC TGCTCTGATG CCGCCGTGTT CCGGCTGTCA GCGCAGGGGC GCCCGGTTCT TTTTGTCAAG ACCGACCTGT
CCGGTGCCCT GAATGAACTG CAGGACGAGG CAGCGCGGCT ATCGTGGCTG GCGACGACGG SCGTTCCCTG CCGAGCTGTG
CTCGACGTTG TCACTGAAGC GGGAAAGGGAC TGGCTGCTAT TGGGCGAAGT GCCGGGGCAG GATCTCCTGT CATCTCACCT
TGCTCCTGCC GAGAAAGTAT CCATCATGGC TGATGCAATG CCGCGGCTGC ATACGCTTGA TCCGGCTACC TGCCCATTCG
ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAGCC GGTCTTGTG ATCAGGATGA TCTGGACGAA
GAGCATCAGG GGCTCGCGCC AGCCGAACTG TTGCCAGGC TCAAGGCGCG CATGCCCGAC GCGATGATC TCGCTGTGAC
CCATGGCGAT GCCTGCTTGC CGAATATCAT GGTGGAAAAA GGCCGCTTTT CTGGATTCTA CCACTGTGGC CCGCTGGGTG
TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCCGTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCGCTTC
CTCGTGCTTT ACGGTATCGC CGCTCCCGAT TCGCAGCGCA TCGCCTTCTA TCGCCTTCTT GACGAGTTCT TCTGAGGGGA
TCGATCCGTC CTGTAAGTCT GCAGAAATG ATGATCTATT AAACAATAAA GATGTCCACT AAAATGGAAG TTTTTCCTGT
CATACTTTGT TAAGAAGGGT GAGAACAGAG TACCTACATT TTGAATGGAA GGATTGGAGC TACGGGGGTG GGGGTGGGGT
GGGATTAGAT AAATGCCTGC TCTTTACTGA AGGCTCTTTA CTATTGCTTT ATGATAATGT TTCATAGTTG GATATCATAA
TTTAAACAAG CAAACCRAA TTAAGGGCCA GCTCATTCCT CCCACTCATG ATCTATAGAT CTATAGATCT CTCGTGGGAT
CATTTGTTTT CTCTTGATTG CCACTTTGTG GTTCTAAGTA CTGTGGTTTC CAAATGTGTC AGTTTCATAG CCTGAAGAAC
GAGATCAGCA GCCTCTGTTT CACATACACT TCATTCTCAG TATTGTTTTG CCAAGTTCTA ATTCCATCAG AAGCTGACTC
TAGATCTGGA TCCGGCCAGC TAGGCCGTG ACCTCGAGTG ATCAGGTACC AAGGTCTCTG CTCTGTGTCC GTTGAGCTCG
ACGACACAGG ACAACGCAAT TAAATTAAGG CCGCCCGTAC CCTCTAGTCA AGGCCTTAAG TGAGTCGTAT TACGGACTGG
CCGTCGTTTT ACAACGTCGT GACTGGGAAA ACCCTGGCGT TACCCAACTT AATCGCCTTG CAGCACATCC CCGTTTCGCC
AGCTGGCGTA ATAGCGAAGA GGCCCGCACC GATCGCCCTT CCCAACAGTT GCGCAGCCTG AATGGCGAAT GGCGCTTCGC
TTGGTAATAA AGCCCGCTTC GCGGGGCTTT TTTTT

```

FIGURE 3B2

Annealing site	Sequence	Sequence after digestion
1	5' tgtgctcctcttggcttgcttccaa... 3' 3' acacgaggagaaacccaacgaaggtt... 5'	5' tgtgctcctcttggcttgcttccaa... 3' 3' tt... 5'
2	5' ctgggttcttgtctggttggttggccaa... 3' 3' gaccaagaacagacgaacgggtt... 5'	5' ctgggttcttgtctggttggttggccaa... 3' 3' tt... 5'
3	5' ggtcctcgctctgtgtccggttgaa... 3' 3' ccaggagcgagacacaggcaactt... 5'	5' ggtcctcgctctgtgtccggttgaa... 3' 3' tt... 5'
4	5' ttggtgtcctctgtgtcgtcgaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' ttggtgtcctctgtgtcgtcgaa... 3' 3' tt... 5'

FIGURE 4

Annealing site	Sequence		Sequence after digestion	
1	5' AAtgtgctcctctcttcttggcttgcttccgc	3' 3'	5' AA	3' 3'
	3' Ttacacgaggagaaacccaacgaagg	5' 5'	3' Ttacacgaggagaaacccaacgaagg	5' 5'
2	5' AActgggttcttgctctggcttggccgc	3' 3'	5' AA	3' 3'
	3' Ttgaccaagaacacagaccgaaccggg	5' 5'	3' Ttgaccaagaacacagaccgaaccggg	5' 5'
3	5' AAggtcctcgctctgtgtccgttgagct	3' 3'	5' AA	3' 3'
	3' Ttcaggagcgagacacagggcaac	5' 5'	3' Ttcaggagcgagacacagggcaac	5' 5'
4	5' AAtttgctgtcctgtgtcgtcagct	3' 3'	5' AA	3' 3'
	3' Ttaaacgcacaggacacagcagc	5' 5'	3' Ttaaacgcacaggacacagcagc	5' 5'

FIGURE 5

FIGURE 6

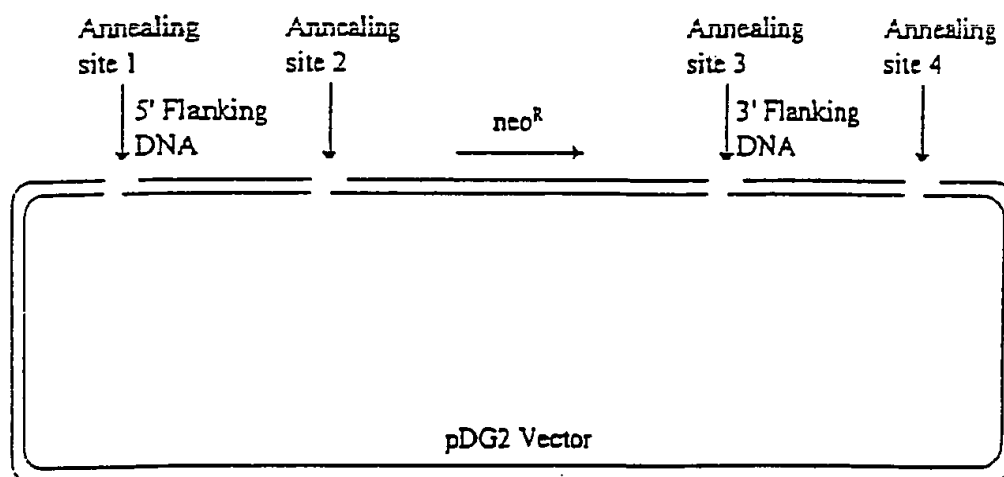
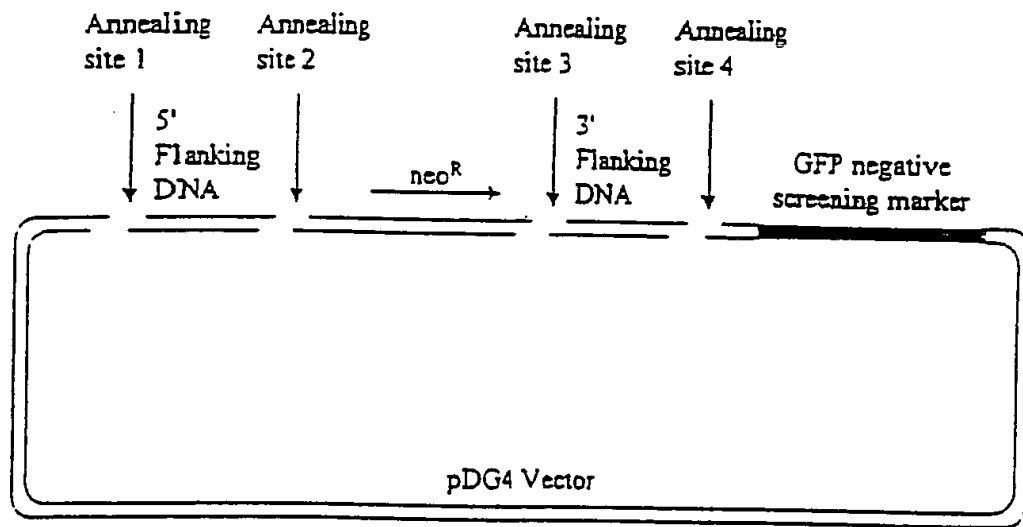


FIGURE 7



<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctccttggcttgcttccAATTAACCCCTCACTAAAGGGAACGAAT
463	ctgggttcttgtctggcttggcccaaTGCAACAGGTTTCCTGAGCGGTCAT
464	ggtcctcgctctgtgtcgttgaaCCTCAAGCTGGCCTACTATGCCTAT
42	tttgcgtgtcctgtgtcgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAAATGGACTCTTAGTTTTGGAAC
155	GTTCTGGCAAACAAATTCGGCGCAC
454	tgtgctcctccttggcttgcttccAATTAACCCCTCACTAAAGGGAACGAAT
465	ctgggttcttgtctggcttggcccaaGTTCCAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtcgttgaaGTGCGCCGAATTTGTTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTGTTCT
41	tgtgctcctccttggcttgcttgaaCGACTAATACGACTCACTATAGGGCG
38	ctgggttcttgtctggcttggcccaaGAAGTAAGTTGGCACACCAAGTTC
40	ggtcctcgctctgtgtcgttgaaAGAACAAGGGGTTGAGCCAAAGTTC
37	tttgcgtgtcctgtgtcgtcgAATTAACCCCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCATAGTAGACAGCGATGGAACG
445	GACAAGAACCAGTTGACGTCAAGCTTCCCGGGACGCGTCTAGCGGCGCGCCG
667	ctgggttcttgtctggcttggcccaaGGCCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtcgttgaaCGTTCCATCGCTGTCTACTATGACA
907	ctgggttcttgtctggcttggcccaaAAAGCCGACAGCCACGCTCACAAGC
908	ggtcctcgctctgtgtcgttgaaGCCCAATGCCACAGAGACAGAATGT
1157	ctgggttcttgtctggcttggcccaaGTTGGATCCTCTCCAAGGCCCATCT
1158	ggtcctcgctctgtgtcgttgaaCTCCAGTGCCGAGTGTGTGGGGACAG

Figure 8